

BPL has a very high potential for interference to existing HF communications users including Amateur, Military, and Home Land Defense. Consideration should be given not only to interference in a new BPL installation, but also over the long term as the distribution systems deteriorate. Presently broad band noise generated by deteriorating connections and insulators present a significant problem to HF users. In general, the power companies have been very slow to respond to individual users requests to fix these problems when they occur.

As an additional example, consider the existing cable TV distribution system. Due to deterioration and leakage, these systems often cause interference to existing VHF radio spectrum users even though they are supposedly a closed (shielded) system. BPL will be an open (unshielded) system which will have an even higher potential for interference to HF users. BPL will bring these HF signals into the neighborhoods and homes near existing Amateur HF users and this increases the potential for interference to these users even more.